

12/1/03

INFORMATION DISCLOSURE CITATION	Docket No.: 2035.009	Serial No. 10/254,036
	Applicant: Voute et al.	
	Filing Date: 09/23/2002	Group: 3744

U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
CS	A	2,662,520	12/15/53	McMahon	128	1	
	B	3,121,627	02/18/64	Harris	62	58	
	C	3,389,974	06/25/68	Barattini et al.	23	295	
	D	3,959,981	06/01/76	Anderson	62	135	
	E	4,030,314	06/21/77	Strehler et al.	62	65	
	F	4,090,374	05/23/78	Faust et al.	62	341	
	G	4,178,776	12/18/79	Baldus et al.	62	538	
	H	4,304,293	12/18/81	Scheiwe et al.	165	12	
	I	4,327,799	05/04/82	Scheiwe et al.	165	2	
	J	4,336,435	06/22/82	Kashyap et al.	219	10.55	
	K	4,473,739	09/25/84	Scheiwe et al.	219	302	
	L	4,486,389	12/04/84	Darnell et al.	422	307	
	M	4,531,373	07/30/85	Rubinsky	62	63	
	N	4,580,409	04/08/86	Angelier et al.	62	340	
	O	4,584,843	04/29/86	Pronger, Jr., et al.	62	123	
	P	4,596,120	06/24/86	Knodel et al.	62	59	
	Q	4,609,036	09/02/86	Schrader	165	10	
	R	4,712,607	12/15/87	Lindeman et al.	165	30	
	S	4,793,151	12/27/88	Masel et al.	62	306	
	T	4,779,358	01/24/89	Knopf et al.	62	3	
	U	4,801,777	01/31/89	Auerbach	219	10.55	
	V	4,843,827	07/04/89	Peppers	62	73	
	W	4,874,915	10/17/89	Harms et al.	219	10.55	

Examiner	CS	Date Considered	2/4/05
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CJ	X	4,893,670	01/16/90	Joshi et al.	165	40	
I	Y	4,954,679	09/04/90	Harms et al.	219	10.55	
	Z	4,967,564	11/06/90	Strasser	62	47.1	
	AA	4,976,308	12/11/90	Faghri	165	10	
	AB	4,986,080	01/22/91	Grigoli et al.	62	75	
	AC	5,005,371	04/09/91	Yonezawa et al.	62	238.6	
	AD	5,022,149	06/11/91	Abbott	29	890.048	
	AE	5,029,634	07/09/91	Hurner	165	47	
	AF	5,033,544	07/23/91	Abbott	165	184	
	AG	5,054,548	10/08/91	Zohler	165	133	
	AH	5,072,569	12/17/91	VanTassel	52	745	
	AI	5,090,207	02/25/92	Gilbertson et al.	62	59	
	AJ	5,125,900	06/30/92	Teves	604	114	
	AK	5,168,725	12/08/92	Margolin	62	457.9	
	AL	5,176,197	01/05/93	Hamaguchi et al.	164	459	
	AM	5,181,387	01/26/93	Meckler	62	59	
	AN	5,212,957	05/25/93	Ruff	62	124	
	AO	5,220,954	06/22/93	Longardner et al.	165	10	
	AP	5,243,833	09/14/93	Coelho et al.	62	376	
	AQ	5,285,657	02/15/94	Bacchi et al.	62	457.9	
	AR	5,332,034	07/26/94	Chiang et al.	165	184	
	AS	5,374,436	12/20/94	White et al.	426	249	
	AT	5,411,078	05/02/95	Ares	165	113	
	AU	5,458,191	10/17/95	Chiang et al.	165	133	
	AV	5,476,763	12/19/95	Bacchi et al.	435	284.1	
✓	AW	5,520,885	05/28/96	Coelho et al.	422	101	

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CJ	AX	5,524,706	06/11/96	Nakamura et al.	165	47	
	AY	5,535,598	07/16/96	Cothorn et al.	62	356	
	AZ	5,557,943	09/24/96	Coelho et al.	62	376	
	AAA	5,579,830	12/03/96	Giammaruti	165	104.27	
	AAB	5,582,856	12/10/96	White et al.	426	249	
	AAC	5,609,035	03/11/97	Cothorn et al.	62	73	
	AAD	5,616,268	04/01/97	Carr	219	687	
	AAE	5,638,686	06/17/97	Coelho et al.	62	51.1	
	AAF	5,644,922	07/08/97	Linden et al.	62	51.1	
	AAG	5,689,961	11/25/97	Cosman	62	78	
	AAH	5,750,658	05/12/98	Coelho et al.	530	382	
	AAI	5,779,974	07/14/98	Kuzyk	422	44	
	AAJ	5,862,675	01/26/99	Scaringe et al.	62	193.3	
	AAK	5,863,715	01/26/99	Rajotte et al.	435	1.3	
	AAL	5,873,254	02/23/99	Arav	62	63	
	AAM	5,939,023	08/17/99	Coelho et al.	422	101	
	AAN	5,964,095	10/12/99	Coelho et al.	62	62	
	AAO	5,694,100	10/12/99	Wisniewski	62	373	
	AAP	5,988,422	11/23/99	Vallot	220	62.22	
	AAQ	5,999,701	12/07/99	Schmidt	392	470	
	AAR	6,007,773	12/28/99	Kuzyk	422	44	
	AAS	6,065,294	05/23/00	Hammerstedt et al.	62	3.3	
	AAT	6,077,447	06/20/00	Coelho et al.	210	774	
	AAU	6,079,215	06/27/00	Wisniewski	62	46.1	
	AAV	6,098,410	08/08/00	Horigane	62	62	
	AAW	6,123,696	09/26/00	Coelho et al.	604	410	

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	<b>Applicant:</b> Voute et al.	
	<b>Filing Date:</b> 09/23/2002	<b>Group:</b> 3744

CT	AAX	6,146,124	11/14/00	Coelho et al.	425	387.1	
	AAY	6,196,296 B1	03/06/01	Wisniewski et al.	165	47	
	AAZ	6,220,038 B1	04/24/01	Marsh et al.	62	71	
	AAAA	6,232,115 B1	05/15/01	Coelho et al.	435	307.1	
	AAAB	6,274,090 B1	08/14/01	Coelho et al.	422	101	
	AAAC	6,302,327 B1	10/16/01	Coelho et al.	235	383	
	AAAD	6,384,380 B1	05/07/02	Faries, Jr. et al.	219	385	
	AAAE	6,387,322 B1	05/14/2002	Gallus	422	38	
✓	AAAF	6,453,683 B1	09/24/02	Wisniewski et al.	62	75	


**FOREIGN PATENT DOCUMENTS**

		<u>DOCUMENT NUMBER</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>Subclass</u>	<u>Translation</u>	
							<u>Yes</u>	<u>No</u>
	BA	DE 3047784 A1	07/01/82	Germany	C12N	5/00		X
	BB	DE 3833753 A1	08/03/89	Germany	F25D	3/10		X
	BC	GB 2240165 A	07/24/91	Great Britain	F25D	G01N	X	
	BD	GB 2351799 A	01/10/01	Great Britain	F25D	F01P	X	
	BE	WO 97/24152	07/10/97	PCT	A61M	1/36		X
	BF	WO 98/34078	08/06/98	PCT	F25D	F28D	X	
	BG	EP 0195919 A2	02/14/86	PCT	A23B	4/06		X
	BH	EP 0647707 A2	07/07/94	PCT	C12M	1/00		X

<b>Examiner</b> CT	<b>Date Considered</b> 2/4/05
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	<b>Applicant:</b> Voute et al.	
	<b>Filing Date:</b> 09/23/2002	<b>Group:</b> 3744

Other Documents (including Author, Title, Date, pertinent public. etc.)		
CA	Stahl, A.L., "Concentration of Citrus Juices by Freezing", Florida State Horticultural Society, 1944, pp. 43-45.	
CB	Kalhorji, B. et al., "Studies on Heat Transfer From a Vertical Cylinder, With or Without Fins, Embedded in a Solid Phase Change Medium", Transactions of the ASME, Journal of Heat Transfer, Vol. 107, February 1985, pp. 44-51.	
CC	Wisniewski, et al., "Large-Scale Freezing and Thawing of Biopharmaceutical Drug Product", Proceedings of the International Congress: Advanced Technologies For Manufacturing Of Aseptic & Terminally Sterilized Pharmaceuticals & Biopharmaceuticals, Basel, Switzerland, February 17-19, 1992, pp. 132-140.	
CD	Wisniewski, et al., "Large-Scale Freezing and Thawing of Biopharmaceutical Products", Biotechnology and Biopharmaceutical Manufacturing, Processing and Preservation, pp. 7-59.	
CE	Wisniewski, Richard, "Developing Large-Scale Cryopreservation Systems for Biopharmaceutical Products", BioPharm, June 1998, pp. 50-60.	
CF	Wu, et al., "Scale-Down Approach to Large Volume Cryopreservation of Biopharmaceuticals Using the CryoCassette™ and CryoWedge™", Integrated Biosystems, 2000, 4 pages.	
CG	L. Quan et al., "Effects of Vibration on Ice Contact Melting Within Rectangular Enclosures", Transactions of the ASME 120:518-520 (May 1998).	
CH	Burton et al., "An Experimental Investigation of the Solidification Process in a V-Shaped Sump", Inter. J. Heat Mass Transfer, Vol. 18, pp. 2383-2393, 1995.	
CI	Avis et al., <u>CRYOPRESERVATION Applications in Pharmaceuticals and Biotechnology</u> , Drug Manufacturing Technology Series 5, "Large-Scale Cryopreservation: Process Development for Freezing and Thawing of Large Volumes of Cell Suspensions, Protein Solutions, and Biological Products", Wisniewski, pp. 181-197.	

<b>Examiner</b> 	<b>Date Considered</b> 2/4/05
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U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
CS	AA	4,107,937	08/22/1978	Chimiel	62	64	
CS	AB	4,490,982	01/01/1985	Christmas	62	3	

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	Date	Country	Class	Subclass	Translation	
							Yes	No
/	BA	WO/98,23907	04 Jun 1998	PCT				
/	BB	GB/2,196,830A	11 May 1988	United Kingdom				

Other Documents (including Author, Title, Date, pertinent public. etc.)		

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<p align="center"><b>SUPPLEMENTAL INFORMATION DISCLOSURE CITATION</b></p>	<p><b>Docket No.:</b> 2035.009</p>	<p><b>Serial No.</b> 10/254,025</p>
	<p><b>Applicant:</b> Voute et al.</p>	
	<p><b>Filing Date:</b> 09/23/2002</p>	<p><b>Group:</b> 3744</p>

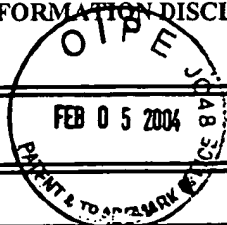
U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
CT	AA	4,971,737	11/20/90	Infanti	264	28	

FOREIGN PATENT DOCUMENTS								
		<u>DOCUMENT NUMBER</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>Subclass</u>	<u>Translation</u>	
							<u>Yes</u>	<u>No</u>

Other Documents (including Author, Title, Date, pertinent public. etc.)		

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<p style="text-align: center;"><b>SUPPLEMENTAL INFORMATION DISCLOSURE CITATION</b></p>	<b>Docket No.</b> 2035.009A	<b>Serial No.</b> 10/254,036
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U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	A						
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FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	Date	Country	Class	Subclass	Translation	
							Yes	No
CT	B12	EP 0318924	06/07/1989	Europe			Abstract	
CT	B13	EP 0726080A2	12/04/1995	Europe			Abstract	
CT	B14	DE 4029216	03/19/1992	German			Abstract	

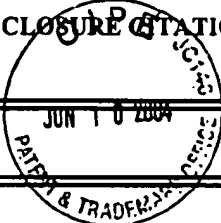
Other Documents (including Author, Title, Date, pertinent public. etc.)		
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THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	Docket No. 2035.009A	Serial No. 10/724,793
	Applicant: Voute et al.	
	Filing Date: December 1, 2003	Group: 3744



U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
CT		3,952,536	04/27/1976	Faust et al.	62	293	
		4,018,911	04/19/1977	Lionetti et al.	424	101	
		4,194,369	03/25/1980	Faust et al.	62	371	
		4,251,995	02/24/1981	Pert et al.	62	60	
		4,469,227	09/04/1984	Faust	206	527	
		4,565,073	01/21/1986	Lavender	62	373	
		5,022,235	06/11/1991	Knippscheer et al.	62	529	
		5,103,651	04/14/1992	Coelho et al.	62	341	
		5,205,128	04/27/1993	Richard	62	63	
		5,996,427	12/07/1999	Masek et al.	73	864.91	
		6,393,860	05/28/2002	Heschel et al.	62	376	

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	Date	Country	Class	Subclass	Translation	
							Yes	No
CT		✓ WO 97/18424	22May1997	PCT (Norway)			X	
CT		✓ EP 1 134 000 A2	19Sep2001	EPO (Germany)				X

Other Documents (including Author, Title, Date, pertinent public. etc.)		

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